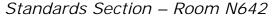
INDIANA DEPARTMENT OF TRANSPORTATION



INTER-DEPARTMENT COMMUNICATION





Writer's Direct Line 232-6775

July 10, 2003

DESIGN MEMORANDUM No. 03-09 TECHNICAL ADVISORY

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Anthony L. Uremovich

Anthony L. Uremovich Design Policy Engineer

Contracts and Construction Division

SUBJECT: Hot Mix Asphalt (HMA) Mixtures

SUPERSEDES: Design Memorandum No. 03-06 Technical Advisory

EFFECTIVE: September 16, 2003, Letting

I. Non-QC/QA-HMA Mixtures.

The design equivalent single axle loads (ESAL) for these mixture types have been revised. The revisions are as follows:

Type	ESAL Range
A	< 300,000
В	$300,000 \le ESAL < 3,000,000$
С	$3,000,000 \le \text{ESAL} \le 10,000,000$
D	> 10,000,000

HMA mixtures now specified as type B or C should be changed on the plans where affected by these revisions. Corresponding pay item names in estimates of quantities and cost estimates should also be revised accordingly. The code numbers and pay item names for mixtures A, B, and C are unchanged. The code numbers and pay item names for the new D mixtures are as follows:

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304-07783 HMA Patching, Type D
402-07784 HMA Surface, Type D
402-07785 HMA Intermediate, Type D
402-07786 HMA Base, Type D
402-07787 HMA Wedge and Level, Type D
610-07788 HMA for Approaches, Type D
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II. Widening Mixtures.

Widening mixtures will only be HMA mixtures. QC/QA-HMA mixtures should no longer be specified. Where this work is specified as widening with QC/QA-HMA, it must be changed on the plans to widening with HMA of the type described above for the design ESAL. Corresponding pay item names in estimates of quantities and cost estimates must also be revised to those as follows:

304-07492	Widening With HMA, Type A
304-07493	Widening With HMA, Type B
304-07494	Widening With HMA, Type C
304-07789	Widening With HMA, Type D

All Widening With QC/QA-HMA pay items have been obsoleted.

The designer should change the plans according to this technical advisory, based on the ESAL provided in the pavement design. If the ESAL for a certain route or approach are not provided, the designer should contact the Department's Pavement Design Engineer, Kumar Dave, via e-mail kdave@indot.state.in.us or telephone 317-610-7251 ext. 215, for the applicable ESAL counts. The corresponding Des number and route number or name will be required with the request.

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